

# Receiving Report

Date: 17-6-21

Batch No: 137853

Supplier: Monroe

Dart P/O: 36540

Packing Slip: Yes  No   
 Invoice: Yes  No   
 Receipt: Cash  Cr   
 New Supplier Yes  No

Release Note Attached: Yes  No  N/A   
 Waybill Attached: Yes  No   
 Shipment Complete: Yes  No  N/A   
 QC18 Inspection \_\_\_\_\_  
 Work Order \_\_\_\_\_

## Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Location \_\_\_\_\_

Date \_\_\_\_\_

Received/Costing \_\_\_\_\_

Initial \_\_\_\_\_



H:\FORMS\Purchasing\approved purch\RECREPORT

Rev F



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36540

Purchase Order Date 6/2/2017

PO Print Date 6/2/2017

Page Number 1 of 9

Order From :  
MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

NY137736

Contact Name  
Vendor Phone 1-321-727-0047

Buyer Chantal Lavoie

Customer POID 10127-2607

Customer Tax # Net 30

Terms USD

Currency FCA - (Free Carrier)

FOB

Ship To Contact  
Ship To Phone  
Ship Via: FedEx Economy collect  
Ship Acct:

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments		Promise Date					
1	AN310-5	Nut	6/7/2017 Yes	FN	50.00 Each	\$0.75	\$37.50
2	AN316C4R	Nut, Jam	6/7/2017 Yes	FN	50.00 Each	\$0.62	\$31.00
3	AN3-3A	Bolt	6/7/2017 Yes	FN	50.00 Each	\$0.07	\$3.50

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36540

Purchase Order Date 6/2/2017

PO Print Date 6/2/2017

Page Number 7 of 9

Order From :  
MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name	Buyer	Chantal Lavoie		
Vendor Phone	Customer POID			
Ship To Contact	Customer Tax #	10127-2607		
Ship To Phone	Terms	Net 30		
Ship Via:	Currency	USD		
Ship Acct:	FOB	FCA - (Free Carrier)		
21 MS27039-1-12	6/7/2017 FN Yes 6/7/2017	50.00 Each	\$0.09	\$4.50
			recd 100%	39.00
			Over late	
22 MS27039-1-16	6/7/2017 FN Yes 6/7/2017	150.00 Each	\$0.09	\$13.50
			260	19.50
23 NAS1149C0463R	6/7/2017 FN Yes 6/7/2017	200.00 Each	\$0.05	\$10.00
			ST 260cm	SP17-6-8
24 NAS1149C0563R	6/7/2017 FN Yes 6/7/2017	200.00 Each	\$0.06	\$11.00
			265.	recd 100% SP17-6-21

Note:



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36540

Purchase Order Date 6/2/2017

PO Print Date 6/2/2017

Page Number 8 of 9

Order From:

MONROE AEROSPACE  
399 EAST DRIVE  
MELBOURNE, FLORIDA 32904  
USA

VU-EC001

Ship To: DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone

I-321-727-0047

Buyer Chantal Lavoie

Customer POID

10127-2607

Customer Tax # Net 30

Terms

Currency USD

FOB FCA -- (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via: FedEx Economy collect

Ship Acct:

25 NAS6604D16

Bolt

6/7/2017 FN

50.00

Line Total:

\$11.00

Yes

6/7/2017

Each

✓ \$1.65

✓ \$82.50

26 QS200-44S

CLAMP

6/7/2017

Yes

6/7/2017

20.00

Each

Line Total:

\$82.50

✓ \$1.90

✓ \$38.00

27 NAS1149D0332J

Washer

6/7/2017 FN

Yes

6/7/2017

600.00

Each

Line Total:

\$38.00

✓ \$0.02

✓ \$12.00

Note:





ACI-665765292853

## Commercial Invoice ECI

Invoice Number	Purpose of Shipment	Curr	Ult Dest.	Air Waybill Nbr.
		USD	CA	665765292853
Export Dt	C.I. References	Pkgs	Bill T/C	Bill D/T/F
6/15/2017	H1003651	1	1517-9324-0	
		BOX		

Shipper:  
RECEIVING  
MONROE ECAS LLC  
399 EAST DRIVE  
  
MELBOURNE  
FL 32904 US (321) 727-0047  
ID/EIN:573124004

Consignee:  
CHANTAL LAVOIE  
DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY  
ON K6A1K7 CA (613) 632-3336  
ID/EIN:

Broker

Importer  
CHANTAL LAVOIE  
DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY  
ON K6A1K7 CA (613) 632-3336  
ID/EIN:

Part Nbr:AN5-32A Marks/Nbrs: Cntry MFG:US Net Wgt: 0.00 lbs  
HS Code: Unit Qty: 120.00 EA Unit Value: Commodity Value: 81.60  
0.680000

Desc: BOLT UNDRILLED

Part Nbr:AN3-3A Marks/Nbrs: Cntry MFG:US Net Wgt: 0.00 lbs  
HS Code: Unit Qty: 50.00 EA Unit Value: Commodity Value: 6.00  
0.120000

Desc: BOLT UNDRILLED

Part Nbr:AN960C516 Marks/Nbrs: Cntry MFG:US Net Wgt: 0.00 lbs  
HS Code: Unit Qty: 100.00 EA Unit Value: Commodity Value: 6.00  
0.060000

Desc: WASHER

Part Nbr:QS200M44S Marks/Nbrs: Cntry MFG:US Net Wgt: 0.00 lbs  
HS Code: Unit Qty: 20.00 EA Unit Value: Commodity Value: 38.00  
1.900000

Desc: CLAMP

Total Shipment 12.95 Total Commodity 131.60  
Weight:

These commodities, technology, or software were exported from the  
United States in accordance with the Export Administration Regulations.  
Diversion contrary to United States law is prohibited.

Terms of Sale: FCA  
Freight: 0.00  
Insurance: 0.00  
Others: 0.00  
Total Invoice Value: 131.60

Comments:  
1)



2)  
3)

I declare all information in this invoice to be true and correct.  
Signature of shipper: RECEIVING

6/15/2017



Sp/17-621


**PACKING SLIP**

INVOICE #: 603680

DATE PRINTED: 6/15/2017

TIME: 2:48:36 PM

# OF ITEMS: 4

PAGE: 1

**TO:** DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

**SHIP TO:** DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

INVOICE DATE: 6/15/2017

TERMS: NET 30

WEIGHT: 12.95

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 6/2/2017

CUST PO: PO36540

# OF BOXES:

SHIP DATE: 6/15/2017

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 534342

AWB: 665765292853

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM
3	AN3-3A BOLT UNDRILLED	50.00	0.00	NE		
	MFR: AFC	LOT: 25531		REV: 3		
11	AN5-32A BOLT UNDRILLED	120.00	0.00	NE		
	MFR: AIRFASCO	LOT: 24917		REV: 3		
24	Control #: 155263-1 AN960C516 WASHER	100.00	0.00	NE		
	Control #: 155352-1	LOT: 567944-5				
26	Customer Reference: QS200M44S CLAMP	NAS1149C0563R	20.00	0.00	NE	
	MFR: SUPERIOR	LOT: 01001324				
	Control #: 137719-1					
	Control #: 155382-1					

SPECIAL INSTRUCTIONS:

*S07-6-21*

We Thank You For Your Continued Business!

MONROE TAX ID: 47-3784072



MONROE TAX ID: 47-3784072

**Invoice**

INVOICE #: 603680

DATE PRINTED: 6/15/2017

TIME: 2:47:30 PM

# OF ITEMS: 4

PAGE: 1

**TO:** DART AEROSPACE LTD.  
ACCTS. PAYABLE  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

**SHIP TO:** DART AEROSPACE LTD.  
ATTN: RECEIVING  
1270 ABERDEEN STREET  
HAWKESBURY, ON K6A 1K7  
CANADA

ATTN: CHANTAL LAVOIE  
Ph: 613.632.3336 Fax: 613.632.5246

INVOICE DATE: 6/15/2017

TERMS: NET 30

WEIGHT: 12.95

SHIP VIA: 113- FX INT ECONOMY

ORDER DATE: 6/2/2017

CUST PO: PO36540

# OF BOXES:

SHIP DATE: 6/15/2017

FOB: MELBOURNE, FL

SHIPMENT #: 0

SALES ORDER #: 534342

AWB: 665765292853

YOUR MONROE ACCOUNT REP: Luis Sepulveda

CUSTOMER #: 16754

ITEM	PART NUMBER/DESCRIPTION	SHIPPED	B/O	CD	UNIT PRICE	UOM	TOTAL AMT
3	AN3-3A BOLT UNDRILLED	50.00	0.00	NE	0.1200	EA	\$6.000
	ECCN#: 9A991 SCHB#: 7318.15.2000						
	MFR: AFC	LOT:25531		REV: 3			
11	AN5-32A BOLT UNDRILLED	120.00	0.00	NE	0.6800	EA	\$81.600
	ECCN#: 9A991 SCHB#: 7318.15.2000						
	MFR: AIRFASCO	LOT:24917		REV: 3			
24	AN960C516 WASHER	100.00	0.00	NE	0.0600	EA	\$6.000
	ECCN#: 9A991 SCHB#: 7318.22.0000						
	MFR: SUPERIOR	LOT:567944-5					
26	Customer Reference: NAS1149C0563R QS200M44S CLAMP	20.00	0.00	NE	1.9000	EA	\$38.000
	ECCN#: EAR99 SCHB#: 7616.10.9090						
	MFR: NORMA/BREEZE	LOT:01001324					

\*\*\* Order Complete \*\*\*

SPECIAL INSTRUCTIONS:

We Thank You For Your Continued Business!

SUB TOTAL:	\$131.600
TAX TOTAL:	\$0.000
MISC CHARGE:	\$0.000
FREIGHT:	\$0.000
<b>TOTAL:</b>	<b>\$131.60</b>
	USD



# **CERTIFICATE OF CONFORMITY**

NO: 603680

<b>BILL TO:</b> <b>DART AEROSPACE LTD.</b> <b>ACCTS. PAYABLE</b> <b>1270 ABERDEEN STREET</b> <b>HAWKESBURY, ON K6A 1K7</b>	<b>SHIP TO:</b> <b>DART AEROSPACE LTD.</b> <b>ATTN: RECEIVING</b> <b>1270 ABERDEEN STREET</b> <b>HAWKESBURY, ON K6A 1K7</b>
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CUSTOMER PO	SHIP DATE	AIRWAY BILL/TRACKING #
PO36540	6/15/2017	665765292853

PART NO:	Description	CND	QTY	S/L	
AN3-3A REV: 3	BOLT UNDRILLED Customer Reference:	NE	50	59	LOT: 25531 MFR: AFC
AN5-32A REV: 3	BOLT UNDRILLED Customer Reference:	NE	120	24	LOT: 24917 MFR: AIRFASCO
AN960C516	WASHER Customer Reference: NAS1149C0563R	NE	100	25	LOT: 567944-5 MFR: SUPERIOR
QS200M44S	CLAMP Customer Reference:	NE	20	18	LOT: 01001324 MFR: NORMA/BREEZE

**CONDITIONS:** NE - New OH-OVERHAULED RP-REPAIRED SV-SERVICEABLE

We hereby certify that the items that are a part of this Purchase Order have been visually & dimensionally found to conform to all applicable standards, drawings & specifications. The liability of ECAS, LLC is limited to replacement of any item which is rejected because of a defect in material or workmanship if notified within 30 days & liability shall not exceed the invoice value. Such replacement shall constitute satisfaction of all liability.

**SIGNED:**

*For and on behalf of ECAS, LLC dba MONROE AEROSPACE*



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## **CERTIFICATE OF CONFORMANCE**

ECAS

I hereby certify that on 06/05/17 Airfasco Industries provided the supplies called for by Contract/PO Number FL79636 in accordance with all applicable requirements for shipment. I further state/ that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States.

## **Quality Assurance Representative**

**WM. DENT**



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 11/23/15

PART NO.: AN3-3A per NASM3-3A rev. 3

AFC LOT NO.: 25531

QTY MFG.: 233,500

PROCUREMENT SPECIFICATION: Produced per NASM 6812

#### HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: 170678

PROCUREMENT SPECIFICATION: Heat Treat per AMS 2759

#### PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 90480

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416 D, Type II, Class 2

#### MATERIAL

MILL: ISW/Arcelor

COUNTRY OF MELT: USA

HEAT: C97211

GRADE SPECIFICATION: Alloy Steel per AMS 6300 F, Type 4037, .218"

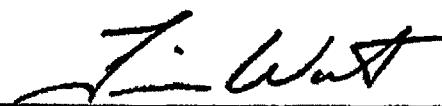
4037 MATERIAL CHEMISTRY											Other
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.390	.850	.004	.009	.220	.010	.030	.234	.020	.028	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	2,210 lbs.	1,690 lbs.	2,125 lbs.	HRC 28-32
ACTUAL	3,836 lbs.	2,984 lbs.	2,646 lbs.	HRC 29-30

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

QS-082  
REV 0  
2/15

Airfasco Industries  
Quality Assurance Representative:

  
T. West



1901 N. Narragansett Ave. • Chicago, Illinois 60639  
773/804.0404 • Fax 773/804.0408  
[www.industeel.com](http://www.industeel.com)  
An ISO 9001 Certified Company

09/30/14

ISW Order/Invoice Number: 172668-01

SOLD TO: A3635  
Airfasco Industries  
2655 HARRISON AVE SW

SHIP TO: A3635  
Airfasco Industries  
2655 HARRISON AVE SW

CANTON OH 44706

CANTON OH 44706

CUSTOMER PO: 60345

2180ACPC .2180" A4037 C/C ANNEALED ROD PHOS LUBE CLS

WEIGHT: 2998

HEAT NUMBER: C97211

#### CHEMISTRIES

C	Mn	P	S	Si
.390	.850	.009	.009	.009

#### PHYSICAL PROPERTIES

TENSILE: 68326 . . . 73150.

TORSIONS:

ROCKWELL #1:

BENDS:

ROCKWELL #2:

SALT SPRAY HOURS:

YIELD STRENGTH: 000000/000000

COATING WEIGHT:

ELONGATION:

GRAIN SIZE:

REDUCTION OF AREA:

\*\*\*\* MERCURY FREE \*\*\*\*

\*\*\* SPECIFICATIONS \*\*\*  
AMS 6300 CHEM ONLY  
ASTM F 2282-03  
IFI 140

TARIFF:  
NAFTA: B

MELT: US UNITED STATES  
ORIG: US UNITED STATES  
MILL:  
DFAR: Y  
ROHS: Y

  
Rey Domingo, Quality Control Manager

*(Embossed)*

The values and specifications herein are passed through from the manufacturer directly to the customer.  
Please see reverse side or [www.industeel.com](http://www.industeel.com) for all Terms and Conditions of Sale.  
Material Properties Sheet 70403-MPS Version 1 Approved by BF 11/20/12

# Certificat d'essai/Test Certificate

*R*  
ArcelorMittal

Usine de Contrecoeur Est / Contrecoeur East works

*5500 ARRODES*

Vendeur - Sold to INDUSTRIAL STEEL & WIRE COMPANY OF ILLINOIS LLC. 1901 N. Narragansett CHICAGO IL 60639 ETATS-UNIS	Expédié à - Shipped to EMERALD STEEL PROCESSING 31650 Stephenson Highway MADISON HEIGHTS MI 48071 ETATS-UNIS
--	--

No de com. Sale order 113722	No de bon de comm. Customer Order 862227	Connaissance Bill of lading 60588633	Date expé. Date shipped 2013/11/11	Date du cert. Certificate Date 2013/11/11	No de Certificat Certificate no 0000254482
------------------------------------	--	--	--	---	--

Article Item	Description	No Matériel Material No 21008572	No pièce Part No 0000000000	Poids expédié Weight 36,03718	Coulée Heat C97211_01
000002	Cold Heading Qual WR, Green Rod ALLOY 4037. 0.217"- 5.50mm ALLOY 4037 ISW				

## ANALYSE CHIMIQUE-CHEMICAL ANALYSIS (%)

Coulée/Heat:	C	N	P	S	Si	Cu	Mn	Cr	Mo	V	Nb	Al	Alc.
C97211_01	0.35	0.05	0.004	0.009	0.22	0.02	0.01	0.03	0.234	0.003	0.000	0.028	0.027
Coulée/Heat:	N	Sn	Ti	B	Ca	Pb	As	Co	Asb	Bi	D.I.	C.E.	SDav
C97211_01	0.0022	0.001	0.001	0.0005	0.0919	0.000	0.001	0.003	0.000		1.75		

### Remarques/Remarks:

The chemical analysis was performed at ArcelorMittal Montréal Inc. laboratory, 3900 route des Acieries, Contrecoeur (Québec) J0L 1C0 Canada. The laboratory is accredited by SNQ according to ISO-17025 (certificate no 270). The testing methods used by the laboratory are ASTM E415 and ASTM E1019.

Signature:

Métallurgie (A/Q)  
Metallurgy (Q/A)

*[Signature]*  
Michel Trudeau

1253



## **CERTIFICATION OF PROCESS**

**CUSTOMER:** AIRFASCO INDUSTRIES, INC  
2655 HARRISON AVE SW  
CANTON OH 44706

**THIS IS TO CERTIFY THAT BRITE METAL INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.**

**PO #:** 62185    **WEIGHT:** 1607 LBS    **NO. BINS:** 1    **NO. PCS:** 233,500  
**PN#:** AN3-3A    **LOT#:** 25531    **MATERIAL#:** 4037  
**BM ORDER NO:** 170678    **CORE HARD SPECS:** HRC 28-32  
**PROCESS TO:** AMS 2759  
**DATE RECEIVED:** 10/07/2015    **DATE SHIPPED:**

### **HEAT TREATING TEST RESULTS**

**CORE HARDNESS:** RC 29 / 30  
**SURFACE HARDNESS:** RC 29 / 30 @ .003  
**CASE DEPTH:** N/A  
**CORE HARDNESS AS QUENCHED:** N/A

**INSPECTOR:** SK  
**DATE:** 10-21-15

Approved by Bruce Hogie  
Revision Date: 2/13/2013

## CERTIFICATE OF COMPLIANCE

**SUPPLIER:** BERNINGER PLATING, INC.  
1211 DeValera Ave.  
Akron, OH 44310  
330-633-8409 Fx 330-633-8447  
[sales@berningerplating.com](mailto:sales@berningerplating.com)

**CUSTOMER:** Airfasco Industries, Inc.

Beringer Invoice: 90480

P.O. Number: 62270

Part Number: AN3-3A

Lot Number: 25531-01

Lot Quantity: 233,500 pcs

Specification: Cadmium Plate per AMS-QQ-P-416D Type II, Class 2

Mercury Free Clause: No possibility exists for mercury contamination to occur during processing or testing of parts on this contract.

Coating Thickness: .0003 inches

**Embrittlement Relief**

Baked: N/A Hours at \_\_\_\_\_ F Within 1 Hour of Plating.

Inspection Level to applicable standard:

ACC. X

S-3 of MIL-STD-105D:

4 %

ASTM B602 Table II:

1.50%

Aircraft Braking System:

1%

Certified By:

James Beringer Jr.  
President

Date: 11/13/2015



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

### PHYSICAL AND CHEMICAL CERTIFICATION

DATE MFG.: 03/30/15

PART NO.: AN5-32A per NASMS-32A rev.3

AFC LOT NO.: 24917

QTY MFG.: 21,250

PROCUREMENT SPECIFICATION: Produced per NASM 6812

#### HEAT TREAT

VENDOR: Brite Metal

CERTIFICATION NO.: 168778

PROCUREMENT SPECIFICATION: Heat Treat per AMS 2759

#### PLATING

VENDOR: Beringer Plating

CERTIFICATION NO.: 85873

PROCUREMENT SPECIFICATION: Cadmium Plate per AMS-QQ-P-416 C, Type II, Class 2

#### MATERIAL

MILL: Cuyahoga Steel/Republic COUNTRY OF MELT: USA HEAT: 8962033

GRADE SPECIFICATION: Alloy Steel per AMS 6322 N, Type 8740, .444"

8740 MATERIAL CHEMISTRY											
ELEMENT-ID.	-C-	-MN-	-P-	-S-	-SI-	-NI-	-CR-	-MO-	-CU-	-AL-	Other
LADLE	.410	.890	.015	.014	.250	.490	.460	.210	.100	.027	

PHYSICAL PROPERTIES				
PHYSICAL	TENSILE	YIELD	SHEAR	HARDNESS
REQUIRED	6,500 lbs.	4,980 lbs.	5,750 lbs.	HRC 26-32
ACTUAL	9,584 lbs.	8,345 lbs.	6,612 lbs.	HRC 30-31

We hereby certify that the above data is correct and that the fasteners have been manufactured and inspected in accordance with Airfasco Industries quality requirements.

QS-082  
REV 0  
2/15

Airfasco Industries  
Quality Assurance Representative:

  
T. West



2655 Harrison Ave. SW  
Canton, Ohio 44706-3047  
Phone: 330-430-6190  
Fax: 330-430-6199

## **CERTIFICATE OF CONFORMANCE**

ECAS

I Hereby Certify that on 06/06/17 Airfasco Industries provided the supplies called for by Contract/ PO Number FL79717 in accordance with all applicable requirements for shipment. I further state that the process certifications are in conformance with the contract requirements, including specifications and/or drawings, physical item identification (part number) and the quantity shown on this or attached acceptance document. The part numbers certified below have been manufactured in the United States. DFAR 252.225-7009 compliant in fastener base raw material melt source only, with heat number and country, does not include the post cadmium metal plating.

## **Quality Assurance Representative**

  
WM DENT

CUYAHOGA STEEL & WIRE  
31000 SOLON RD, SOLON, OH 44139

MATERIAL CERTIFICATION

DATE: 6/04/2002

SLIP NO: 67138

Sold to:

AIRFASCO INDUSTRIES  
207 SCHNEIDER ROAD  
NORTH CANTON

OH 44720-3649

Ship to:

AIRFASCO INDUSTRIES  
1210 E 55TH  
CLEVELAND

OH 44103

ALL CHEMISTRY DATA IS CERTIFIED BY THE HOT MILL SUPPLIER  
WHEN ELEMENT CONTENTS ARE REPORTED AS ZERO, ACTUAL CONTENTS MAY EQUAL ZERO OR  
WERE NOT REPORTED BY THE HOT ROLL MILL.

Cust No.	PO#	Ship Date	Ship VIA	F.O.B.
1030	31645	6/05/02	CUST TRUCK COL	SOLON

Our Order#	Date	Sales Rep	Qty Shipped
16157/	12/21/01	99	7,748

Item Description: .669/.572"R SP AN, PH.LB,12'UL 8740 0.5720RAIRBR

CHEMICAL ANALYSIS			HEAT#	8962038						
C	Mn	P	S	Pb	Si	Cr	Ni	Mo		
.410	.690	.015	.014	.250	.460	.490	.230			
V	Al	Cu	Sn	Te	Bi	Se	Cb	P		
.003	.027	.100	.008	.000	.000	.000	.001	.0000		
N	DI (In)									
.0057	.000									

PHYSICAL ANALYSIS

Structure	Decarb	Hardness	YG-.2% OFF-PSI	Tensile-PSI
90% SPH		RB 95		95400
%Elong	%Reduct-Area	Carbon Free	T.A.D. Decarb	MET APPROVED
	62	.000	.000	JOHN CARROLL

COMMENTS:

02/26/02 B.B. CERT.

RECEIVED

JOMINY HARDENABILITY

JUN 13 2002

1 2 3 4 5 6 7 8 10 12 14 16 18 20 22 24 26 32

*Judie*



A DIVISION OF J.T. ADAMS CO., INC  
4520 WILLOW PARKWAY  
CLEVELAND, OHIO 44126  
PHONE (216) 641-3290  
FAX (216) 641-1223  
[www.tensile.com](http://www.tensile.com)

### CERTIFIED TEST REPORT

Airfasco Industries Inc.  
2655 Harrison Ave. SW  
Canton OH 44706

Job No.: B4-198-395  
Date: 7-22-14  
Cust. PO#: 61111

Description: 1 sample Mill: Republic Country of Melt: USA  
Material: 8740 Heat# 8962033  
Spec: AMS 6322N

### TEST RESULTS

#### Product Analysis of Elements in % (OES per TTML C-011):

	Actual	Requirements
Carbon	0.40	0.38-0.43
Manganese	0.90	0.75-1.00
Phosphorus	0.016	0.025 Max.
Sulfur	0.009	0.025 Max.
Silicon	0.25	0.15-0.35
Chromium	0.49	0.40-0.60
Nickel	0.58	0.40-0.70
Molybdenum	0.25	0.20-0.30
Columbium	0.002	N/A
Aluminum	0.041	N/A
Copper	0.01	0.35 Max.
Vanadium	0.002	N/A
Titanium	0.002	N/A

The above conforms to specifications listed.

  
\_\_\_\_\_  
Michael D. Taylor  
Authorized Agent

Page 1 of 1

This Report May Not Be Reproduced Except In Full

This report represents Tensile Testing interpretation of the results obtained from the test and is not to be construed as a guarantee or warranty of the condition of the materials tested. Tensile Testing shall not be held liable for misinterpretation of conditions, loss, damage, injury or death arising from or attributable to delay preceding a test or subsequent to performance of a test.

# **BRITE METAL**

## **CERTIFICATION OF PROCESS**

**CUSTOMER:** AIRFASCO INDUSTRIES, INC  
2655 HARRISON AVE SW  
CANTON OH 44706

**THIS IS TO CERTIFY THAT BRITE METAL INC. HAS PROCESSED THE FOLLOWING MATERIAL IN ACCORDANCE WITH THE MOST WIDELY ACCEPTED METALLURGICAL PROCEDURE.**

**PO #:** 61689      **WEIGHT:** 1716      **NO. BINS:** 1      **NO. PCS:** 21,250

**PN#:** AN5-32A      **LOT#:** 24917      **MATERIAL#:** 8740

**BM ORDER NO:** 168778      **CORE HARD SPECS:** HRC 28-32

**PROCESS TO:** AMS 2759

**DATE RECEIVED:** 02/20/2015      **DATE SHIPPED:**

### **HEAT TREATING TEST RESULTS**

**NUMBER OF SAMPLES:** 2

**CORE HARDNESS:** RC 30 / 31

**SURFACE HARDNESS:** RC 30 / 31 @ .003

**CASE DEPTH:** N/A

**CORE HARDNESS AS QUENCHED:** N/A

**INSPECTOR:** SK

**DATE:** 3-5-15

Approved by Bruce Hogie  
Revision Date: 2/13/2013

## CERTIFICATE OF COMPLIANCE

**SUPPLIER:** BERINGER PLATING, INC.  
1211 DeValera Ave.  
Akron, OH 44310  
330-633-8409 Fx 330-633-8447  
[sales@beringerplating.com](mailto:sales@beringerplating.com)

**CUSTOMER:** Airfasco Industries, Inc.

Beringer Invoice: 85873

P.O. Number: 61747

Part Number: AN5-32A

Lot Number: 24917-01

Lot Quantity: 21,250 pcs

**Specification:** Cadmium Plate per AMS-QQ-P-416C Type II, Class 2

Mercury Free Clause: No possibility exists for mercury contamination to occur during processing or testing of parts on this contract.

Coating Thickness: .0003 inches

Embrittlement Relief

Baked: N/A Hours at \_\_\_\_\_ F Within 1 Hour of Plating.

Inspection Level to applicable standard:

ACC. X

S-3 of MIL-STD-105D:

4 %

ASTM B602 Table II:

1.50%

Aircraft Braking System:

1%

Certified By:

  
James Beringer Jr.  
President

Date: 3/25/2015

# AIRFASCO Industries

2855 Harrison Avenue SW Canton, OH 44706

## Nondestructive Testing Certification Wet Fluorescent Magnetic Particle Inspection Technique

### Part Data

Part Number	Lot Number	Dimensions	Part Description
AN5-32A	24917	5/16-24 X 3 11/32	BOLT-MACHINE, AIRCRAFT

### Reference Data

Specification	Procedure Number	Acceptance Criteria
ASTM E1444	MT-1	No Cracks, NASM 6812

### Inspection Equipment Data

Model Number	Manufacturer	Serial Number
H-800 Retro	Magnaflux Corporation	91R00150

### Inspection Material Data

Particles	Mfr	Batch No.	Carrier	Mfr	Batch No.
14A	Magnaflux	10G078	MG II	Magnaflux	14B056

### Technique Data

Type Current	Circular Field	Longitudinal Field
Headshot Amps	Central Conductor Amps	Coil shot Amps
FWDC	200	N/A

Particle application by the flow method, continuous technique

Demagnetization performed by the AC Coil method, Residual field +/- 3

### Inspection Results

Lot Size	Inspection Sample Size	Quantity accepted	Quantity rejected
21250	50	50	0

Notes:

Performed by Level	Reviewed & Approved by:	Date
D. SHOUP ASNT NDT LEVEL III	D. SHOUP ASNT NDT LIII #176608	3/30/15

**SUPERIOR WASHER AND GASKET CORP.**

170 Adams Avenue  
 Hauppauge, New York 11788  
 Phone: (631) 273-8282  
 Fax: (631) 273-8088  
 E-Mail: swg@superiorwasher.com  
 Web: superiorwasher.com  
 (In the East)

**SUPERIOR WASHER AND GASKET CORP.**

662 Bryant Blvd.  
 Rock Hill, South Carolina 29732  
 Phone: (803) 366-3250  
 Fax: (803) 366-3511  
 E-Mail: swg@superiorwasher.com  
 Web: superiorwasher.com  
 (In the South)

EAST COAST AVIATION SUPPLIES  
 399 EAST DRIVE

MELBOURNE , FL 32904

Customer Purchase Order Number	Superior Order Number	Superior Lot Number	Tracer No.
72935	C141841-1	567944 - 5	SC36664 -1 /65372
Date	Production Card	Part Number	Quantity
10-16-14	0	NAS1149C0563R	50,000
Drawing REV S AN960-C516 REV 21	Dual Cert No.		

We hereby certify that all materials and processes conform  
 to the required drawing specifications and that the parts  
 have been manufactured in the U.S.A.  
 and comply with DFARS 252.225.7014 ALT 1  
 All parts are manufactured in a Mercury-free environment

**Material**

304 STAINLESS STEEL Annealed per AMS5513J

PASSIVATE AMS2700 METHOD 1 TYPE 6 CLASS 1

**Chemical Analysis**

C	CARBON	.0490
Mn	MANGANESE	1.3900
P	PHOSPHORUS	.0300
S	SULPHUR	.0016
Si	SILICON	.3540
Cr	CHROMIUM	18.1600
Ni	NICKEL	8.0700
Mo	MOLYBDENUM	
Cu	COPPER	
Fe	IRON	
Ti	TITANIUM	
Co	COBALT	
N	NITROGEN	.0270
Cb	COLUMBIUM	
Al	ALUMINUM	
Sn	TIN	
Mg	MAGNESIUM	
Zn	ZINC	
Pb	LEAD	
Va	VANADIUM	

**Mechanical Properties**

Yield	43900
Tensile	98300
Elongation	58.7
Hardness	B 85.0
Heat	7534264
Magnetic	
Permeability	<2.0
Bend Test	OK

SUPERIOR WASHER & GASKET CORP.

By Richard Anderson Jr.

Richard Anderson, Jr.  
 Quality Control Manager



NORMA Group  
325 W. Silverbell Rd., Suite 230  
Lake Orion, MI 48359  
248.373.4300 Fax 248.373.3068

## CERTIFICATION OF CONFORMANCE

DATE:	6/7/17
CUSTOMER NAME:	Northern Marketing Associates
CUSTOMER ADDRESS:	100 market Street, Kenilworth NJ 07033
CUSTOMER PART NUMBER:	200 44 S
NORMA GROUP PART NUMBER	03600021071
LOT NUMBERS	LOT01001324
QUANTITY SHIPPED	200
PURCHASE ORDER	022-416

On 6/7/17 Sold/Shipped To:  
Monroe Ecas, LLC  
399 East Drive  
Melbourne, FL 32904  
PO# FL79738  
Your Part# QS200M44S  
Breeze Part# 200 44S  
Lot/Quantity:01001324 / 40  
Inv:65932

WE HEREBY CERTIFY THAT THE PRODUCT LISTED ABOVE CONFORMS TO ALL MATERIAL AND PROCESS SPECIFICATIONS IN ACCORDANCE WITH THE PROVISIONS OF THE DRAWING.

A handwritten signature in black ink, appearing to read "Cory Waite".

Cory Waite - Quality Manager

Printed Name/Title

Authorized Signature

June 7, 2017

Date